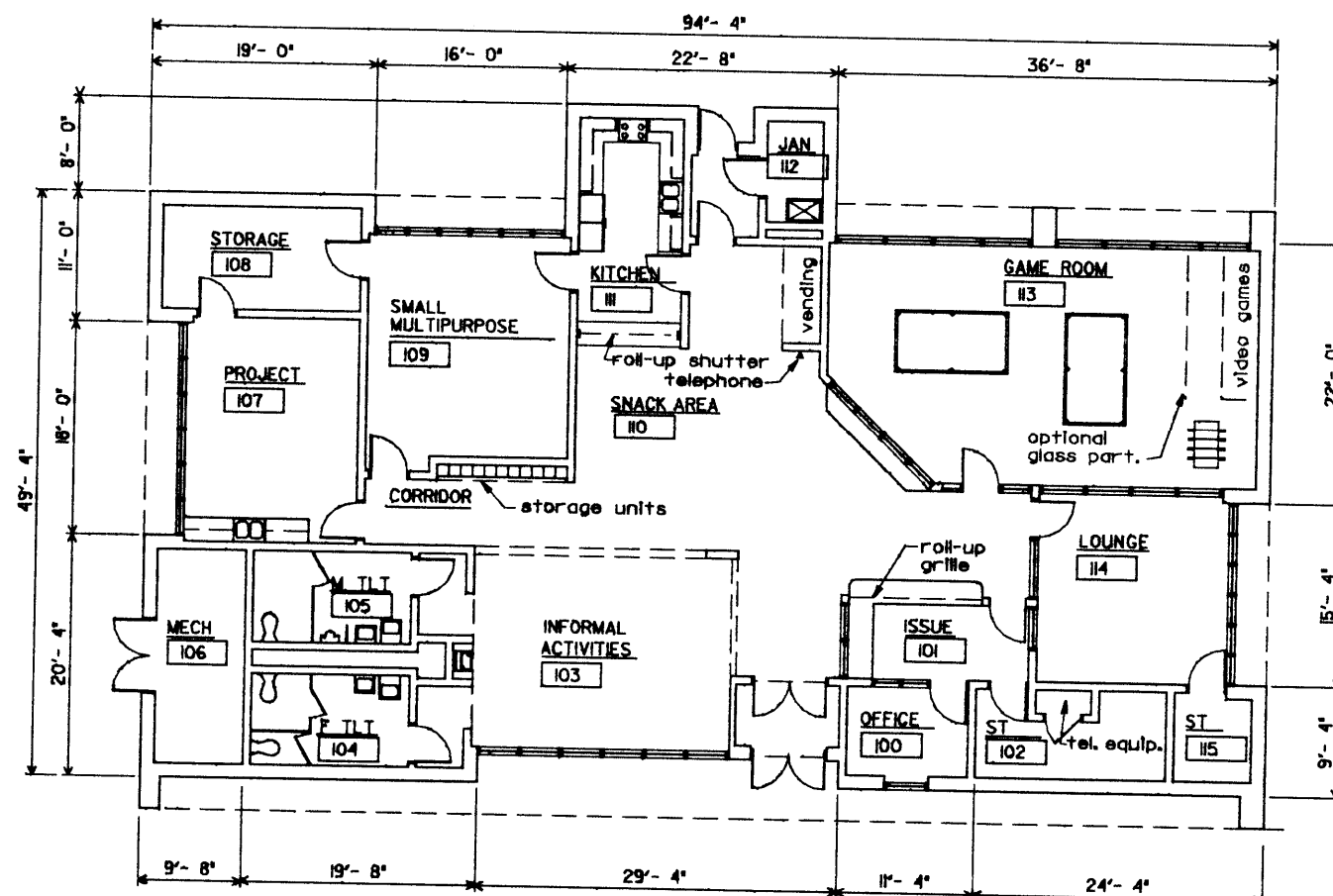


FLOOR PLAN E - NEIGHBORHOOD YC



FLOOR PLAN F - NEIGHBORHOOD YC



BUILDING DATA - SCHEME E

ROOM NUMBER	ROOM NAME	AREA OF ROOM NET (SQ. FT.)
100	OFFICE	88
101	ISSUE	86
102	GENERAL STORAGE	190
103	INFORMAL ACTIVITIES	339
104	FEMALE TOILET	183
105	MALE TOILET	200
106	JANITORS CLOSET	39
107	TEEN LOUNGE	279
108	PROJECT ROOM	310
109	STORAGE	49
111	SMALL MULTIPURPOSE	504
112	STORAGE	60
113	SNACK AREA	163
114	KITCHEN	127
115	GAME ROOM	720
116	LOUNGE	469
117	STORAGE	71
	CIRCULATION	924
	SUBTOTAL	4801
110	MECHANICAL ROOM	252
	TOTAL NET S.F.	5053
	TOTAL GROSS S.F.	6040

NOTE:

1. PLAN E SERVES A YOUTH POPULATION OF 601 & OVER. PLAN E IS TO BE CONSTRUCTED ONLY IN APPROPRIATE NEIGHBORHOODS AS A SUPPLEMENT TO A MAIN YC.

BUILDING DATA - SCHEME F

ROOM NUMBER	ROOM NAME	AREA OF ROOM NET (SQ. FT.)
100	OFFICE	75
101	ISSUE	95
102	STORAGE	106
103	INFORMAL ACTIVITIES	350
104	FEMALE TOILET	101
105	MALE TOILET	101
107	PROJECT ROOM	275
108	STORAGE	144
109	SMALL MULTIPURPOSE	324
110	SNACK AREA	290
111	KITCHEN	157
112	JANITORS CLOSET	40
113	GAME ROOM	684
114	LOUNGE	252
115	STORAGE	48
	CIRCULATION	587
	SUBTOTAL	3629
106	MECHANICAL ROOM	135
	TOTAL NET S.F.	3764
	TOTAL GROSS S.F.	4539

NOTE:

1. PLAN F SERVES A YOUTH POPULATION OF 251 - 600. PLAN F IS TO BE CONSTRUCTED ONLY IN APPROPRIATE NEIGHBORHOODS AS A SUPPLEMENT TO A MAIN YC.

STRUCTURAL DESIGN OBJECTIVES

DESIGN STRUCTURAL SYSTEMS IN ACCORDANCE WITH THE CURRENT CRITERIA CONTAINED IN THE DA ARCHITECTURAL AND ENGINEERING INSTRUCTIONS, DESIGN CRITERIA, THE USAGE DESIGN FOA CRITERIA AND ANY MACOM CRITERIA. COMPLY WITH THE STRUCTURAL DESIGN REQUIREMENTS AND RECOMMENDATIONS IN TECHNICAL MANUALS TM 5-809-1 FOR LOAD ASSUMPTIONS FOR BUILDINGS AND TM 5-809-10 FOR SEISMIC DESIGN.

PROVIDE COLUMN FREE INTERIOR ROOMS. DESIGN FOR ADDITIONAL LOADS CREATED BY FOLDING DOORS OR PARTITIONS, BASKETBALL STOPS, AND MECHANICAL EQUIPMENT REQUIRING STRUCTURAL SUPPORT. FINAL SELECTION FOR STRUCTURAL SYSTEMS BY THE USAGE DESIGN FOA OR A/E FIRM WILL BE BASED ON THE SNOW, ICE, WIND, AND SEISMIC DESIGN LOADS FOR THE FACILITY'S SPECIFIC GEOGRAPHIC LOCATION.

PROVIDE SEISMIC PROTECTION BY FURNISHING A ROOF DIAPHRAGM DESIGNED TO TRANSFER LATERAL FORCES THROUGH SHEAR WALLS TO THE FOUNDATION. SUFFICIENT SHEAR WALLS ARE INTEGRATED IN THE PLAN TO RESIST LATERAL FORCES. WHERE THE SITE SELECTED IS IN THE HIGHER SEISMIC ZONES AND WHERE HEAVIER BUILDING MATERIALS ARE SELECTED (SUCH AS CONCRETE WALLS), ADDITIONAL SHEAR WALLS MAY BE REQUIRED TO RESIST THE GREATER LATERAL FORCES. IN THIS CASE, IT SHOULD BE NOTED THAT INTERIOR PARTITIONS MAY BE CONVERTED TO STRUCTURAL SHEAR WALLS IF NEEDED.

THE DEFINITIVE DESIGN DRAWINGS INDICATE SPREAD FOOTINGS AND CONCRETE SLAB ON GRADE AS THE FOUNDATION AND SLAB TYPE TO BE USED. FOUNDATION AND FLOOR SLAB DESIGN TO BE USED WILL VARY WITH THE SPECIFIC SITE DEPENDING ON THE GEOLOGICAL CONDITIONS.

MECHANICAL DESIGN OBJECTIVES

DESIGN ALL MECHANICAL WORK IN ACCORDANCE WITH THE DA ARCHITECTURAL AND ENGINEERING INSTRUCTIONS, DESIGN CRITERIA, THE USAGE DESIGN FOA CRITERIA AND ANY MACOM CRITERIA, TECHNICAL MANUALS, AND ARMY REGULATIONS. THE MECHANICAL DESIGN WILL BE APPROPRIATE FOR THE SPECIFIC GEOGRAPHIC SITE. CONSIDER THE AVAILABLE SOURCES OF ENERGY, EASE OF MAINTENANCE, AND ENERGY CONSERVATION IN DESIGN AND SELECTION OF MECHANICAL SYSTEMS. DESIGN THE HVAC SYSTEM TO ACCOMMODATE CHANGING HOURS OF USAGE. HVAC SYSTEM CONTROLS SHOULD PROMOTE ENERGY SAVING TECHNIQUES, BUT BE STRATEGICALLY LOCATED AND PROTECTED TO PREVENT ABUSE. CONSIDER THE EFFECTS OF ALTITUDE IN THE SPECIFIC GEOGRAPHIC LOCATION WHEN SELECTING EQUIPMENT. DO NOT LOCATE ANY MECHANICAL EQUIPMENT ON THE ROOF. PROVIDE ACOUSTICAL CONTROL FOR MECHANICAL EQUIPMENT AREAS IN ACCORDANCE WITH TM 5-805-4. THE ENTIRE YC FACILITY IS TO BE HEATED AND COOLED EXCEPT FOR THE MECHANICAL AND ELECTRICAL ROOMS. THE LARGE MULTIPURPOSE STORAGE ROOM REQUIRES HEATING AND COOLING TO PREVENT DETERIORATION OF PLASTIC AND FOAM COMPONENTS IN SPORTS EQUIPMENT. KITCHEN VENTILATION IS TO COMPLY WITH NFPA 96.

REQUIRED NUMBER OF PLUMBING FIXTURES IS SHOWN ON THE DEFINITIVE DRAWINGS. ALL PLUMBING IS TO COMPLY WITH TM 5-810-5. PROVIDE PLUMBING FIXTURES OF APPROPRIATE TYPE AND MOUNTING TO ACCOMMODATE THE PHYSICALLY DISABLED AND CHILDREN OF VARYING AGES. ALL URINALS ARE TO BE FLOOR MOUNTED. PROVIDE FLOOR DRAINS IN THE TOILETS AND MECHANICAL ROOM. PROVIDE A DOUBLE COMPARTMENT STAINLESS STEEL SINK WITH A PLASTER TRAP IN THE PROJECT ROOM. INSTALL A MOP OR SERVICE SINK IN THE JANITOR'S CLOSET. PROVIDE A DOUBLE COMPARTMENT STAINLESS STEEL SINK IN THE KITCHEN. THE DESIGN WILL INCLUDE NECESSARY SUPPLY AND WASTE LINES FOR THE VENDING MACHINES, SPECIAL EQUIPMENT (MICROWAVES, ICE CREAM DISPENSER, HOT DOG ROTISSERIE, ETC.), AND KITCHEN APPLIANCES. ELECTRIC WATER COOLERS ARE TO BE INSTALLED AS SHOWN ON THE DEFINITIVE DRAWINGS WITH AT LEAST ONE APPROPRIATE FOR USE BY THE PHYSICALLY DISABLED IN EACH PLAN. IT IS INTENDED THAT A MODULAR TWO-LEVEL ELECTRIC WATER COOLER BE USED IN PLANS A-D. THIS UNIT HAS ONE BASIN AT THE REQUIRED HEIGHT FOR WHEELCHAIR USE (ALSO APPROPRIATE FOR SMALL CHILDREN) AND ONE BASIN AT STANDARD HEIGHT. INSTALL METERS ON GAS AND WATER LINES IN ACCORDANCE WITH ETL 84-4.

ANCHORS AND SUPPORTS FOR PIPING AND EQUIPMENT FOR VARIOUS SEISMIC ZONES WILL BE IN ACCORDANCE WITH TM 5-809-10.

SEE "SITE DEVELOPMENT OBJECTIVES", "ARCHITECTURAL OBJECTIVES", AND "FIRE PROTECTION OBJECTIVES" FOR RELATED REQUIREMENTS.

DEPARTMENT OF THE ARMY
LITTLE ROCK DISTRICT, CORPS OF ENGINEERS
LITTLE ROCK, ARKANSAS

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DEPARTMENT OF THE ARMY
FACILITIES STANDARDIZATION PROGRAM
DEFINITIVE DESIGN

YOUTH CENTER
STANDARD DEFINITIVE DESIGNS
FLOOR PLANS E & F

Scales AS SHOWN

Date JANUARY 1989

Sheet

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THIS DRAWING HAS BEEN REDUCED
TO ONE-HALF THE ORIGINAL SCALE